PTO-1390 (Rev. 07-2005)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371

ATTORNEY'S DOCKET NUMBER

13892US

U.S. ARRICATION NO (If known 32 37 CFR 1.5)

PRIORITY DATE CLAIMED

10 Jan 2003 (10.01.2003)

NTERNATIONAL APPLICATION NO. PCT/US2004/000554	INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED 10 Jan 2004 (10.01.2004)			
TITLE OF INVENTION SPRAYABLE NON-AQUEOUS. OIL	-CONTINUOUS MICROEMULSIONS AND METHODS OF MAKING SAME			
APPLICANT(S) FOR DO/EO/US MOUCHARAFIEH, Nadim; BAUER, Mark R.; GRAHAM, Brian; FINNEY, John R.;				
CAFMEYER, Jeffrey: and FELLOWS. Applicant herewith submits to the United St.	Robert J. ates Designated/Elected Office (DO/EO/US) the following items and other information:			
This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.				
2. L. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.				
3. Lightham This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.				
4. The US has been elected (Article 31).				
5. X A copy of the International Applicatio	n as filed (35 U.S.C. 371(c)(2))			
a. is attached hereto (required	d only if not communicated by the International Bureau).			
b. has been communicated by	r the International Bureau.			
c. XX is not required, as the appli	cation was filed in the United States Receiving Office (RO/US).			
6. An English language translation of th	e International Application as filed (35 U.S.C. 371(c)(2)).			
a. is attached hereto.				
b. has been previously submitted under 35 U.S.C. 154(d)(4).				
7. Amendments to the claims of the Inte	ernational Application under PCT Article 19 (35 U.S.C. 371(c)(3))			
a. are attached hereto (requi	ired only if not communicated by the International Bureau).			
b. have been communicated	by the International Bureau.			
c. have not been made; how	rever, the time limit for making such amendments has NOT expired.			
d. XX have not been made and will not be made.				
8. An English language translation of the	ne amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).			
9. An oath or declaration of the inventor	r(s) (35 U.S.C. 371(c)(4)).			
An English language translation of th Article 36 (35 U.S.C. 371(c)(5)).	e annexes of the International Preliminary Examination Report under PCT			
Items 11 to 20 below concern document(s	s) or information included:			
11. An Information Disclosure Statement	t under 37 CFR 1.97 and 1.98.			
12. An assignment document for recordi	ng. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.			
13. A preliminary amendment.				
14. An Application Data Sheet under 37	An Application Data Sheet under 37 CFR 1.76.			
15. A substitute specification.	A substitute specification.			
16. A power of attorney and/or change of	A power of attorney and/or change of address letter.			
17. A computer-readable form of the sec	quence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.			
18. A second copy of the published Inter	mational Application under 35 U.S.C. 154(d)(4).			
19. A second copy of the English langua	ge translation of the international application under 35 U.S.C. 154(d)(4).			

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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	n/541		PCT/US2004/00		13892US	NET NOWBER
Other items or information: PTO-2038 Credit Card Payment Form Delegation of Authority for C. Michael Gegenheimer Intl. Search Report and Written Opinion plus cited references						
The follo	owing fees have b	een submitted			CALCULATIONS	PTO USE ONLY
21. 🙀 Basi	c national fee (37	CFR 1.492(a))	•••••••••••••••••••••••••••••••	\$300	\$ 300.00	
22. Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)\$0				\$ 200.00		
All other situations						
			1,000.00	-		
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.			1,000			
Total Sheets	Total Sheets Extra Sheets Number of each additional 50 or fraction thereof (round up to a whole number)					
- 100 = /50 = x \$250			\$			
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).			\$			
CLAIMS	CLAIMS NUMBER FILED NUMBER EXTRA RATE		RATE	\$	***	
Total claims	50	- 20 =	30	x \$50	\$ 1,500.00	
Independent clair	ms 9	- 3 =	6	× \$200	\$ 1,200.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360 \$						
			\$ 3,700.00			
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.			· ·			
SUBTOTAL = \$ 1,850.00						
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).						
TOTAL NATIONAL FEE = \$ 1,850.00						
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +						
TOTAL FEES ENCLOSED = \$			\$ 1,850.00			
					Amount to be refunded:	\$
					Amount to be charged	\$

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а. 🔲	A check in the amount of \$ to cover the above fees is enclosed.		
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с. 🔲	The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No A duplicate copy of this sheet is enclosed.		
d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.			
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.			
C. Ba 50 Co	ALL CORRESPONDENCE TO: Michael Gegenheimer, Esq. attelle Memorial Institute D5 King Avenue columbus, Ohio 43201-2693 nited States of America C Michael Gegenheimer NAME 33,387 REGISTRATION NUMBER		



JC14 Rand PCT/PTO 07 JUL 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DO/EO/US CONCERNING SUBMISSION UNDER 35 U.S.C. 371

In re U.S. Nationa PCT/US2004/000))	
Inventors:	Moucharafieh, Nadim et al.)) File No: `	13892US
Intl. Filing Date:	10 Jan 2004))) Date:	July 7, 2005
For: SPRAYAE CONTINUOUS M METHODS OF M) Date.))	July 7, 2005	

CERTIFICATE OF MAILING

Mail Stop PCT Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

Dear Sir:

The undersigned hereby certifies that the attached:

Item	No. of Sheets
PTO-1390 Transmittal Letter to DO/EO/US Concerning Submission	6
under 35 U.S.C. 371 (in duplicate)	
PTO-2038 Credit Card Payment Form	1
Delegation of Authority to C. Michael Gegenheimer	1
PCT/ISA/220 Notification of Transmittal of Intl. Search Report and	3
Written Opinion	ŀ
PCT/ISA/210 International Search Report and cited references	33
PCT/ISA/237 Written Opinion of the ISA	7
Return Receipt Postcard	1

are being deposited with the United States I	Postal Service as:
Express Mail - Label	# <u>ED560240642US</u>
in an envelope addressed to the Commission Alexandria, Virginia 22313-1450, on the da	oner for Patents, Mail Stop PCT, P.O. Box 1450, te set forth below.
	Brenda Block Hoone
	Signature

July 7, 2005 Date of Deposit

Brenda Block Koone Battelle Memorial Institute 505 King Avenue Columbus, Ohio 43201-2693 (614) 424-3298 phone (614) 424-3864 facsimile kooneb@battelle.org